



# Voluntary Cooperation

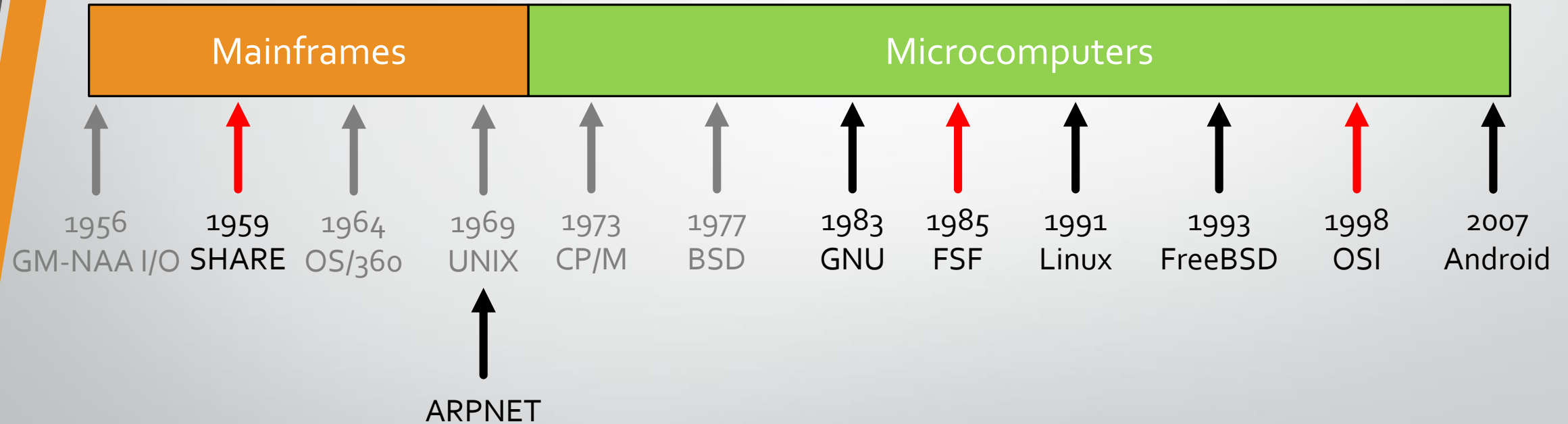
## in the Software Industry

Chris Cummins

BHM345

1. The history
2. What is it?
3. How does it work?
4. What can be learned?

# A brief history



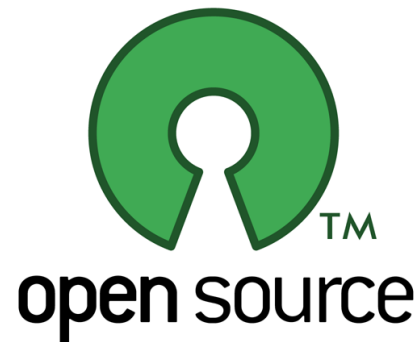
# What is it?

- The Free Software Foundation (FSF) is a nonprofit with a worldwide mission to promote computer user freedom and to defend the rights of all free software users.
- The Open Source Initiative (OSI) is a non-profit corporation formed to educate about, and advocate, for the benefits of open source.
- Android is an open-source software stack for mobile devices, and a corresponding open-source project led by Google.

FSF



OSI



Android



# How does it work?

Traditional Business Model	FOSS Model
Localised resources	Distributed network
Protected IP	Permissive licenses
Coupling between business and practise	No financial incentives
High barrier to entry	Performance based

# Case Study: Linux

What it doesn't have	What it does have
No managers	Technical leads
No inside information	Mailing lists and open discussion
No deadlines	Achievement based releases
No cooperate strategy	Emergence

# What can be learned from it?

## The culture

- Low resource wastage
- Low bug density
- Trusted
- Low stakes environment
- Ecosystem of innovation

## Other applications

- Hardware
- Standardisation
- Academic research
- Medical Science
- Astronomy